

# FLINKENBERG

batteries 

New products are marked with 



**INVERTERS**



IEC Schuko



Phoenix Inverter C



Phoenix Inverter

230VAC/50Hz Sinewave

hxwx d    C E    e    VE Bus    kg

Phoenix 12/180 IEC outlet	PIN012181100	72 x 132 x 200	√	√		2.7
Phoenix 12/180 Schuko outlet	PIN012181200	72 x 132 x 200	√	√		2.7
Phoenix 12/350 IEC outlet	PIN012351100	72 x 155 x 237	√	√		3.5
Phoenix 12/350 Schuko outlet	PIN012351200	72 x 155 x 237	√	√		3.5
Phoenix 12/750 IEC outlet	PIN012751100	72 x 180 x 295	√	√		2.7
Phoenix 12/750 Schuko outlet	PIN012751200	72 x 180 x 295	√	√		2.7
Phoenix 24/180 IEC outlet	PIN024181100	72 x 132 x 200	√	√		2.7
Phoenix 24/180 Schuko outlet	PIN024181200	72 x 132 x 200	√	√		2.7
Phoenix 24/350 IEC outlet	PIN024351100	72 x 155 x 237	√	√		3.5
Phoenix 24/350 Schuko outlet	PIN024351200	72 x 155 x 237	√	√		3.5
Phoenix 24/750 IEC outlet	PIN024751100	72 x 180 x 295	√	√		2.7
Phoenix 24/750 Schuko outlet	PIN024751200	72 x 180 x 295	√	√		2.7
Phoenix Inverter C 12/1200	CIN121220000	375 x 214 x 110	√	√	√	10
Phoenix Inverter C 12/1600	CIN121620000	375 x 214 x 110	√	√	√	10
Phoenix Inverter C 12/2000	CIN122020000	520 x 255 x 125	√	√	√	13
Phoenix Inverter 12/3000	PIN123020000	362 x 258 x 218	√	√	√	18
Phoenix Inverter C 24/1200	CIN241220000	375 x 214 x 110	√	√	√	10
Phoenix Inverter C 24/1600	CIN241620000	375 x 214 x 110	√	√	√	10
Phoenix Inverter C 24/2000	CIN242020000	520 x 255 x 125	√	√	√	13
Phoenix Inverter 24/3000	PIN243020000	362 x 258 x 218	√	√	√	18
Phoenix Inverter 24/5000	PIN245020000	444 x 328 x 240	√		√	28
Phoenix 48/350 IEC outlet	PIN048351100	72 x 155 x 237	√			3.5
Phoenix 48/750 IEC outlet	PIN048751100	72 x 180 x 295	√			2.7
Phoenix Inverter 48/3000	PIN048302000	362 x 258 x 218	√		√	18
Phoenix Inverter 48/5000	PIN485020000	444 x 328 x 240	√		√	28

**INVERTER/CHARGERS**



MultiPlus Compact



MultiPlus



EasyPlus

230VAC/50Hz Sinewave

MultiPlus C 12/800/35-16	CMP128010000	375 x 214 x 110	√	√	√	10
MultiPlus C 12/1200/50-16	CMP121220000	375 x 214 x 110	√	√	√	10
MultiPlus C 12/1600/70-16	CMP121620000	375 x 214 x 110	√	√	√	10
MultiPlus C 12/2000/80-30	CMP122020000	520 x 255 x 125	√		√	13
MultiPlus 12/3000/120-16	PMP123020000	362 x 258 x 218	√	√	√	18
MultiPlus 12/3000/120-50	PMP123021000	362 x 258 x 218	√	√	√	18
Quattro 12/3000/120-50/30	QUA123020000	362 x 258 x 218	√	√	√	19
Quattro 12/5000/220-100/100	QUA125020000	470 x 350 x 280	√		√	34
MultiPlus C 24/800/16-16	CMP248010000	375 x 214 x 110	√	√	√	10
MultiPlus C 24/1200/25-16	CMP241220000	375 x 214 x 110	√	√	√	10
MultiPlus C 24/1600/40-16	CMP241620000	375 x 214 x 110	√	√	√	10
MultiPlus C 24/2000/50-30	CMP242020000	520 x 255 x 125	√		√	13
MultiPlus 24/3000/70-16	PMP243020000	362 x 258 x 218	√	√	√	18
MultiPlus 24/3000/70-50	PMP243021000	362 x 258 x 218	√	√	√	18
MultiPlus 24/3000/70-50 WHITE	PMP243021000W	362 x 258 x 218	√	√	√	18
MultiPlus 24/5000/120-50	PMP245021000	444 x 328 x 240	√		√	30
Quattro 24/3000/70-50/30	QUA243020000	362 x 258 x 218	√	√	√	19
Quattro 24/5000/120-50/30	QUA245021000	444 x 328 x 240	√		√	30
Quattro 24/8000/200-100/100	QUA248020010	470 x 350 x 280	√		√	41
MultiPlus 48/3000/35-16	PMP483020000	362 x 258 x 218	√		√	18
MultiPlus 48/3000/35-50	PMP483021000	362 x 258 x 218	√		√	18
MultiPlus 48/5000/70-50	PMP485021000	444 x 328 x 240	√		√	30
Quattro 48/5000/70-50/30	QUA485020000	444 x 328 x 240	√		√	30
Quattro 48/8000/110-100/100	QUA488020000	470 x 350 x 280	√		√	41
Quattro 48/10000/140-100/100	QUA481030010	470 x 350 x 280	√		√	45
EasyPlus C 12/1600/70-16	CEP121620000	510 x 214 x 110	√		√	11

**INVERTERS 120VAC**


Phoenix Inverter

120VAC/60Hz Sinewave		hxwd	CE	e	VE Bus	kg
Phoenix 12/180 NEMA 5-15R socket	PIN012181110	72 x 132 x 200	√			2.7
Phoenix 12/350 NEMA 5-15R socket	PIN012351110	72 x 155 x 237	√			3.5
Phoenix 12/750 NEMA 5-15R socket	PIN012751110	72 x 180 x 295	√			2.7
Phoenix 24/180 NEMA 5-15R socket	PIN024181110	72 x 132 x 200	√			2.7
Phoenix 24/350 NEMA 5-15R socket	PIN024351110	72 x 155 x 237	√			3.5
Phoenix 24/750 NEMA 5-15R socket	PIN024751110	72 x 180 x 295	√			2.7

**INVERTER/CHARGERS 120VAC**

120VAC/60Hz Sinewave



Phoenix MultiPlus

MultiPlus C 12/2000/80-50 120V	CMP122020100	520 x 255 x 125	√		√	13	
MultiPlus C 24/2000/50-50 120V	CMP242020100	520 x 255 x 125	√	★	√	13	Nov 2010
MultiPlus 12/3000/120-50 120V	PMP123021100	362 x 258 x 218	√		√	18	
MultiPlus 12/3000/120-50 120V WHITE	PMP123021100W	362 x 258 x 218	√		√	18	



Quattro

MultiPlus 24/3000/70-50 120V	PMP243021100	362 x 258 x 218	√		√	18	
MultiPlus 24/3000/70-50 120V WHITE	PMP243021100W	362 x 258 x 218	√		√	18	
Quattro 24/5000/120-2x60 120/240V	QUA245022100	444 x 328 x 240	√		√	30	
MultiPlus 48/3000/35-50 120V	PMP483021100	362 x 258 x 218	√	★	√	18	Q1/2011
Quattro 48/5000/70-100/100 120V	QUA485021100	444 x 328 x 240	√	★	√	30	Nov 2010

**BATTERY CHARGERS: waterproof 120VAC**

120VAC/45-65Hz

1 output

Blue Power Charger  
(Waterproof IP65)

Blue Power 12/6 IP65 Waterproof (1)	BPC012006010	36 x 80 x 155	√			0.85
Blue Power 12/15 IP65 Waterproof (1)	BPC012015010	46 x 99 x 193	√			0.95
Blue Power 24/12 IP65 Waterproof (1)	BPC024012110	47 x 99 x 193	√			1.4

**BATTERY CHARGERS IP20 Microprocessor controlled**

Universal input 90-265VAC/45-65Hz, or 90-375VDC

hxxxd C E e kg



Blue Power Charger

1 output					
Blue Power Charger GX 12/7 IP20 (1)	BPC120703000	60 x 90 x 210	√		1.3
Blue Power Charger GX 12/10 IP20 (1)	BPC121003000	60 x 90 x 210	√		1.3
Blue Power Charger GX 12/15 IP20 (1)	BPC121503000	60 x 90 x 210	√		1.3
Blue Power Charger GX 24/5 IP20 (1)	BPC240503000	60 x 90 x 210	√		1.3
Blue Power Charger GX 24/8 IP20 (1)	BPC240803000	60 x 90 x 210	√		1.3

**BATTERY CHARGERS: waterproof**

230VAC/45-65Hz

1 output

Blue Power Charger  
(IP65 Waterproof)

* Blue Power 12/7 IP65 Waterproof (1)	BPC012007100	43 x 80 x 155	√		1.1
* Blue Power 12/17 IP65 Waterproof (1)	BPC012017100	47 x 99 x 193	√		1.4
Blue Power 24/3 IP65 Waterproof (1)	BPC024003100	43 x 80 x 155	√		1.1
* Blue Power 24/12 IP65 Waterproof (1)	BPC024012100	47 x 99 x 193	√		1.4

**BATTERY CHARGERS: analog control**

Universal input 90-265VAC/45-65Hz, or 90-400VDC

3x full current output



Centaur Charger

Centaur Charger 12/20 (3)	CCH012020000	355 x 215 x 110	√		3.8
Centaur Charger 12/30 (3)	CCH012030000	355 x 215 x 110	√		3.8
Centaur Charger 12/40 (3)	CCH012040000	426 x 239 x 135	√		5
Centaur Charger 12/50 (3)	CCH012050000	426 x 239 x 135	√		5
Centaur Charger 12/60 (3)	CCH012060000	426 x 239 x 135	√		5
Centaur Charger 12/80 (3)	CCH012080000	505 x 255 x 130	√		12
Centaur Charger 12/100 (3)	CCH012100000	505 x 255 x 130	√		12
Centaur Charger 12/200 (3)	CCH012200000	505 x 255 x 230	√		18.5
Centaur Charger 24/16 (3)	CCH024016000	355 x 215 x 110	√		3.8
Centaur Charger 24/30 (3)	CCH024030000	426 x 239 x 135	√		5
Centaur Charger 24/40 (3)	CCH024040000	505 x 255 x 130	√		12
Centaur Charger 24/60 (3)	CCH024060000	505 x 255 x 130	√		12
Centaur Charger 24/80 (3)	CCH024080000	505 x 255 x 230	√		16
Centaur Charger 24/100 (3)	CCH024100000	505 x 255 x 230	√		16

**BATTERY CHARGERS: microprocessor control**

Universal input 90-265VAC/45-65Hz, or 90-400VDC

2x full current output + 1x 4A output



Phoenix Charger

Phoenix Charger 12/30 (2+1)	PCH012030001	350 x 200 x 108	√		3.8
Phoenix Charger 12/50 (2+1)	PCH012050001	350 x 200 x 108	√		3.8
Phoenix Charger 24/16 (2+1)	PCH024016001	350 x 200 x 108	√		3.8
Phoenix Charger 24/25 (2+1)	PCH024025001	350 x 200 x 108	√		3.8

**BATTERY CHARGERS: microprocessor control**

230VAC and 400VAC/45-65Hz, or 180-400VDC

1x full current output + 1x 4A output



Skylla Charger

Skylla-TG 24/30 (1+1)	SDTG2400301	365 x 250 x 147	√		5.5
Skylla-TG 24/50 (1+1)	SDTG2400501	365 x 250 x 147	√		5.5
Skylla-TG 24/80 (1+1)	SDTG2400801	365 x 250 x 257	√		10
Skylla-TG 24/100 (1+1)	SDTG2401001	365 x 250 x 257	√		10
Skylla-TG 24/100 (1+1) WHITE	SDTG2401001W	365 x 250 x 257	√		10
Skylla-TG 24/50 3-phase (1+1)	STG024050300	365 x 250 x 257	√		13
Skylla-TG 24/100 3-phase (1+1)	STG024100300	515 x 260 x 265	√		23



Skylla-TG 24/100 3-phase

Skylla-TG 24/30 (1+1) 90-265VAC	SDTG2400303	365 x 250 x 147	√	GL**	5.5
Skylla-TG 24/50 (1+1) 90-265VAC	SDTG2400503	365 x 250 x 147	√	GL**	5.5
Skylla-TG 24/100-G (1+1) 90-265VAC	SDTG2401003	365 x 250 x 257	√	GL**	10
Skylla-TG 24/30 GMDSS excl. panel	SDTG2400302	365 x 250 x 147	√		6
Skylla-TG 24/50 GMDSS excl. panel	SDTG2400504	365 x 250 x 147	√		6
Skylla-TG 48/25 (1+1)	SDTG4800251	365 x 250 x 147	√		5.5
Skylla-TG 48/50 (1+1)	SDTG4800501	365 x 250 x 257	√		10

\*\*Germanischer Lloyd approval. Category C, EMC 1

**ISOLATION TRANSFORMERS / AUTOTRANSFORMER / GALVANIC ISOLATOR**

		hwxwd	CE	e	kg
	<b>Isolation Trans. 2000W 115/230V</b>	ITR040202040	375 x 214 x 110	√	10
	<b>Isolation Trans. 3600W 115/230V</b>	ITR040362040	362 x 258 x 218	√	23
	<b>Isolation Trans. 7000W 230V</b>	ITR000702000	362 x 258 x 218	√	26
	<b>Autotransformer 120/240VAC-32A</b>	ITR000100000	375 x 214 x 110	√	10
	The ultimate solution for split phase installations				
<b>Isolation Transformer</b>	<b>Galvanic Isolator VDI-16</b>	GDI000016000	60 x 120 x 200	√	1

**DC-DC CONVERTERS**

<b>Not isolated</b>					
	<b>Orion 24/12-5 IP65</b>	ORI241205010	45 x 90 x 65	√	0,2
	<b>Orion 24/12-5</b>	ORI241205000	49 x 88 x 68	√	0,17
	<b>Orion 24/12-8</b>	ORI241208000	49 x 88 x 98	√	0,25
	<b>Orion 24/12-12</b>	ORI241212000	49 x 88 x 98	√	0,26
	<b>Orion 24/12-17</b>	ORI241217020	45 x 90 x 100	√	0,30
	<b>Orion 24/12-20</b>	ORI241220000	49 x 88 x 126	√	0,48
	<b>Orion 24/12-30</b>	ORI241230000	49 x 88 x 151	√	0,6
	<b>Orion 24/12-60</b>	ORI241260000	88 x 100 x 180	√	1,2
	<b>Orion 12/24-7</b>	ORI122407000	49 x 88 x 98	√	0,3
	<b>Orion 12/24-10</b>	ORI122410000	49 x 88 x 98	√	0,4
	<b>With galvanic isolation (xx=input=12, 24, 48, or 96 VDC yy=output=12 or 24VDC)</b>				
	<b>Orion xx/yy-100W</b>	ORIXXXYY10100	49 x 88 x 152	√	0,5
	<b>Orion xx/yy-200W</b>	ORIXXXYY20100	49 x 88 x 182	√	0,6
	<b>Orion xx/yy-360W</b>	ORIXXXYY36100	64 x 163 x 160	√	1,4
	<b>Orion 110/12-360W</b>	ORI110123610	64 x 163 x 160	√	1,4
	<b>Orion 110/24-360W</b>	ORI110243610	64 x 163 x 160	√	1,4
	<b>Orion 12/27,6-12</b>	ORI122712000	64 x 163 x 160	√	1,4
	<b>Orion 7-35/12-3</b>	ORI351203000	49 x 88 x 182	√	0,6

Nov 2010

**AUTOMATIC TRANSFER SWITCHES**

	<b>Filax 230V/50Hz</b>	SDFI0000000	200 x 120 x 75	√	0,8
	<b>Filax 230V/60Hz</b>	SDFI0000010	200 x 120 x 75	√	0,8
	<b>ESP PowerMan 230/20-0</b>	ESP140020000	250 x 200 x 95	√	1,5
	<b>ESP PowerMan 230/32-0</b>	ESP140032000	380 x 300 x 120	√	3,0
	<b>ESP PowerMan 230/64-0</b>	ESP140064000	460 x 380 x 180	√	4,0
	Transfer switches for ESP sytem. Please consider the Quattro with integrated transfer switch instead				
	<b>VE Transfer Switch 5kVA/230V</b>	COS230502100	175 x 215 x 120	√	1,4
	<b>VE Transfer Switch 10kVA/230V</b>	COS230103100	175 x 215 x 120	√	1,5
	Transfer switches for general application, with time relay and aux contact for Multi/Digital Control Panel Please consider the Quattro with integrated transfer switch instead!				








**DC DISTRIBUTION**

	<b>ESP DC Link Box (in plastic enclosure)</b>	DCL000200000	130 x 395 x 315	√	3,1
	ESP System Panel conn. / Battery Monitor conn. / Volt sense conn. Populated with 4 Mega fuses (2x 300A, 1x 200A, 1x 100A) and 1 Midi fuse (60A)				

**FUSES**

	MEGA-fuse 100A/32V (package of 5pcs)	CIP136100000	9 x 67 x 19		
	MEGA-fuse 125A/32V (package of 5pcs)	CIP136125000	9 x 67 x 19		
	MEGA-fuse 150A/32V (package of 5pcs)	CIP136150000	9 x 67 x 19		
	MEGA-fuse 175A/32V (package of 5pcs)	CIP136175000	9 x 67 x 19		
	MEGA-fuse 200A/32V (package of 5pcs)	CIP136200000	9 x 67 x 19		
	MEGA-fuse 225A/32V (package of 5pcs)	CIP136225000	9 x 67 x 19		
	MEGA-fuse 250A/32V (package of 5pcs)	CIP136250000	9 x 67 x 19		
	MEGA-fuse 300A/32V (package of 5pcs)	CIP136300000	9 x 67 x 19		
	MEGA-fuse 400A/32V (package of 5pcs)	CIP136400000	9 x 67 x 19		
	MEGA-fuse 500A/32V (package of 5pcs)	CIP136500000	9 x 67 x 19		
		Fuse holder for MEGA-fuse	CIP000100000	97 x 39 x 39	
	Fuse 125A/170Vdc for 48V 3kVA	CIP138125000	67 x 26		
	Fuse 200A/170Vdc for 48V 5kVA	CIP138200000	67 x 26		


**VE.Net**

			hwxwd	CE	e	kg
	<b>VE.Net Panel</b> VE.Net GMDSS Panel VE.Net Blue Power Panel 2 VE.Net Blue Power Panel GX	VPN000100000 VPN000200000 BPP000200000 BPP000200100	65 x 120 x 40 65 x 120 x 40 130 x 120 x 40 130 x 120 x 40	√ √ √ √	★ ★	Dec 2010
VE.Net Panel VE.Net GMDSS Panel	(Both Blue Power Panels have VE.Net and VE.Bus ports)					
	<b>VE.Net Battery Controller (VBC) 12/24/48V</b> (including 500A/50mV shunt and connection kit)	VBC000300000	105 x 75 x 22	√		
	<b>VE.Net Battery Controller 70-350V</b> (including 500A/50mV shunt in plastic enclosure and connection kit)	VBC000500000				
	<b>Shunt 1000A/50mV</b> (Can also be used with BMV-600S/602S)	SHU102050200	80 x 30 x 168	√		
	<b>Shunt 2000A/50mV</b> (Can also be used with BMV-600S/602S)	SHU202050200	80 x 50 x 168	√		
	<b>VE.Net Generator Controller</b> (including AC Monitor Box)	VGM000100000	80 x 25 x 168	√		
VE.Net Battery Controller	<b>VE.Net Tank Monitor (Current)</b> <b>VE.Net Tank Monitor (Resistive)</b> <b>VE.Net Tank Monitor (Voltage)</b>	VCS000100000 VRS000100000 VVS000100000	105 x 75 x 22 105 x 75 x 22 105 x 75 x 22	√ √ √		
						
VE.Net Generator Controller	VE.Net Tank Monitor	Shunt 1000A/50mV	Shunt 2000A/50mV			


**REMOTE PANELS**

	<b>VE.Bus Multi Control 16/200A</b> Digital Multi Control 200/200A Digital Multi Control 200/200A GX	REC020003000 REC020005000 DMC000100000	65 x 120 x 40 65 x 120 x 40 65 x 120 x 40	√ √ √	★	Dec 2010
VE.Bus Multi Control	Above panels can be used with all Multi(Plus) and Quattro inverter/chargers					
	<b>Phoenix Inverter Control</b> Remote Cont. for 750VA Ph. Inverter + 3m cable	REC030001200 REC030002000	65 x 60 x 40	√ √		
Digital Multi Control	<b>Phoenix Charger Control</b> <b>AC Outlet</b> <b>Charger Switch</b> <b>Skylla Control</b> <b>Battery Alarm</b>	REC010001100 SDRPAOV SDRPCSV SDRPSKC REC040001000	65 x 120 x 40 65 x 60 x 40 65 x 60 x 40 65 x 120 x 40 65 x 120 x 40	√ √ √ √ √		
	<b>Victron Global Remote (VGR)</b> Global Remote to BMV-60XS conn. kit VGR I/O Extender	VGR000100000 VGR900100000 VGR900030201	73 x 54.5 x 25.5	√		
Phoenix Inverter Control	<b>Box for wall mounting of 65 x 120 mm panels</b>	ASS050200000	80 x 150 x 50	√		
						
Battery Alarm	Box for wall mounting of 65 x 120 mm panels	Victron Global Remote	Global Remote to BMV-60XS conn. kit			











**SYSTEM MANAGER - RETRO STYLE**

	hwxwd	€	e	kg	hwxwd
 <p><b>VictronView Retro</b> With Digital Multi Control Panel, BMV-602 and AC monitoring Controls a Multiplus or Quattro, and monitors the battery and shore/generator Includes shunt and connection cabling</p>	REC050600000	√		1	213 x 150 x 75

**SYSTEM MANAGER - E-PLEX**

 <p><b>VictronView Touch</b> E-plex touch screen with Victron software to control Multi's and Quattro's Can also be used to integrate VE Multi's/Quattro's in an E-PLEX bus system (VE.Bus to E-plex Converter needed)</p>	VVT000100000	√			261 x 123 x 37
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**ESP SYSTEM PANELS**

 <p><b>ESP Blue Power System Panel</b> Controls a MultiPlus or Quattro, and monitors the battery and shore/generator AC</p>	ESP130100000	√			260 x 160
<p><b>ESP System Panel with 16A Multi Control</b> <b>ESP System Panel with 30A Multi Control</b> Controls a MultiPlus (not intended for Quattro), and monitors DC &amp; AC)</p>	ESP020016000 ESP020030000	√ √			260 x 160 260 x 160
<p><b>ESP AC Distribution Panel (1x 20A, 1x 16A, 1x 10A, 1x 5A)</b> <b>ESP DC Distribution Panel (1x 20A, 1x 16A, 1x 10A, 1x 5A)</b></p>	ESP040040000 ESP060040000	√ √			130 x 160 130 x 160
<p><b>ESP AC Distribution Panel (1x 20A, 2x 16A, 5x 10A, 3x 5A)</b> <b>ESP DC Distribution Panel (1x 20A, 2x 16A, 5x 10A, 3x 5A)</b></p>	ESP040110000 ESP060110000	√ √			260 x 160 260 x 160
<p><b>ESP Blank Panel</b> <b>ESP 52mm Gauge Panel</b> <b>ESP VE.Net Panel</b> <b>ESP Generic Control Panel</b> <b>ESP Blue Power Panel</b> <b>ESP AC-Sensor Box</b> (for AC V+A monitoring when ESP PowerMan Transfer Switch is not required) <b>ESP System Shunt</b> (for DC V+A monitoring when ESP DC Link Box is not required)</p>	ESP080050000 ESP080100000 ESP100050000 ESP120050000 ESP130050000 ESP160100000 ESP180501050	√ √ √ √ √ √ √			130 x 160 130 x 160 130 x 160 130 x 160 130 x 160 130 x 160
 <p><b>ESP System Panel with 30A Multicontrol</b></p>					
 <p><b>Blank Panel</b></p>					
 <p><b>52mm Gauge Panel</b></p>					
 <p><b>VE.Net Panel</b></p>					
 <p><b>ESP Distribution Panel</b> 260mm x 160mm</p>					
 <p><b>Generic Control Panel</b></p>					
 <p><b>ESP Blue Power Panel</b></p>					
 <p><b>ESP AC Sensor Box</b></p>					
 <p><b>ESP system shunt</b></p>					
<p><b>Breaker 5A for ESP AC/DC Distribution Panel</b> <b>Breaker 8A for ESP AC/DC Distribution Panel</b> <b>Breaker 10A for ESP AC/DC Distribution Panel</b> <b>Breaker 16A for ESP AC/DC Distribution Panel</b> <b>Breaker 20A for ESP AC/DC Distribution Panel</b></p>	ESP200005000 ESP200008000 ESP200010000 ESP200016000 ESP200020000	√ √ √ √ √			

**DATA CABLES and INTERFACES**

		hxwx	CE	e	kg
<b>Network cables for ESP System and BMV-600</b>					
	RJ12 UTP Cable 0,3 m *	ASS030066003		√	
	RJ12 UTP Cable 0,9 m *	ASS030066009		√	
	RJ12 UTP Cable 1,8 m *	ASS030066018		√	
	RJ12 UTP Cable 3 m *	ASS030066030		√	
	RJ12 UTP Cable 5 m *	ASS030066050		√	
	RJ12 UTP Cable 10 m *	ASS030066100		√	
	RJ12 UTP Cable 15 m *	ASS030066150		√	
	RJ12 UTP Cable 20 m *	ASS030066200		√	
	RJ12 UTP Cable 25 m *	ASS030066250		√	
	RJ12 UTP Cable 30 m *	ASS030066300		√	
	cable-color=Grey				
<b>Network cables for VE.Bus, VE.Net and VE9bitRS485</b>					
	RJ45 UTP Cable 0,3 m **	ASS030064900		√	
	RJ45 UTP Cable 0,9 m **	ASS030064920		√	
	RJ45 UTP Cable 1,8 m **	ASS030064950		√	
	RJ45 UTP Cable 3 m **	ASS030064980		√	
	RJ45 UTP Cable 5 m **	ASS030065000		√	
	RJ45 UTP Cable 10 m **	ASS030065010		√	
	RJ45 UTP Cable 15 m **	ASS030065020		√	
	RJ45 UTP Cable 20 m **	ASS030065030		√	
	RJ45 UTP Cable 25 m **	ASS030065040		√	
	RJ45 UTP Cable 30 m **	ASS030065050		√	
	cable color=Blue				
	<b>RJ45 splitter 5-way **</b>	ASS050100000		√	
	<b>Victron Interface MK2.2b</b> (VE.Bus to RS232)	ASS030120200		√	
	<b>RS232 to USB converter</b>	ASS030200000		√	
	<b>Victron interface MK2-USB</b> (VE.Bus to USB)	ASS030130000		√	
	<b>VE.Net to VE.Bus Converter</b>	VVC000200000	30 x 105 x 72	√	
	<b>VE.Bus to E-Plex converter</b>	ASS030400000	30 x 105 x 72	√	
	<b>BMV60xS to E-Plex interface</b>	ASS030402010		√	
	<b>BMV-60xS to NMEA2000 interface</b>	ASS030520000		√	★
	<b>Interface 1140</b> (For engine driven inverter systems: Travel Power, Dynawatt, etc)	ASS030510000		√	
<b>Software VE Configure</b>		<a href="http://www.victronenergy.com">www.victronenergy.com</a>			<b>Free of charge</b>
Can be downloaded from our website					

\* Compatible with ESP System components and the BMV-600  
 \*\* VE 9bit RS485 protocol compatible, VE.Bus Compatible and VE.Net Compatible

**BATTERY MONITOR**

	<b>Precision Battery Monitor BMV-600S</b> <b>9 - 90 VDC</b>	BAM001004000	65 x 65 x 30	√	0,3
	With 500A 'click and connect' shunt and connection kit				
	<b>Precision Battery Monitor BMV-602S</b> <b>9 - 90 VDC</b>	BAM001004200	65 x 65 x 30	√	0,3
	With 500A 'click and connect' shunt and connection kit				
	<b>Precision Batt. Mon. BMV-602S BLACK</b>	BAM001003220	65 x 65 x 30	√	0,3
	With 500A 'click and connect' shunt and connection kit				
	<b>Precision Battery Monitor BMV-600HS</b> <b>70 - 350 VDC</b>	BAM001003210		√	0,3
	With 500A shunt in plastic enclosure and connection kit Suitable for systems with grounded negative only				
	<b>BMV Data Link RS232 with software</b>	ASS030071000		√	
For all BMV's					

**BATTERY ISOLATORS**

		hwxwd	CE	e	kg
 Diode Isolator	<b>Diode Isolators with alternator energize input (AC models only) and compensation diode</b>				
	Argodiode 80-2AC 2 batteries 80A	ARG080201000	60 x 120 x 80	√	0,8
	Argo 903SC 3 batteries 90A	ARG090301000	60 x 120 x 150	√	1,2
	Argo 1202SC 2 batteries 120A	ARG120201000	60 x 120 x 100	√	1,2
	Argo 1203SC 3 batteries 120A	ARG120301000	60 x 120 x 150	√	1,2
	Argo 1602SC 2 batteries 160A	ARG160201000	60 x 120 x 150	√	1,2
	Argo 1603SC 3 batteries 160A	ARG160301000	60 x 120 x 200	√	1,5
 Fet Isolator	<b>FET Isolators with alternator energize input</b>				
	Argofet 100-2 Two batteries 100A	ARG100201020	65 x 120 x 200	√	1,4
	Argofet 100-3 Three batteries 100A	ARG100301020	65 x 120 x 200	√	1,4
	Argofet 200-2 Two batteries 200A	ARG200201020	65 x 120 x 200	√	1,4
	Argofet 200-3 Three batteries 200A	ARG200301020	65 x 120 x 200	√	1,4
 Cyrrix-i 12/24V-100A	<b>Microprocessor controlled battery combiner/isolators</b>				
	Cyrrix-i 12/24V-100A intelligent combiner	CYR010100000	46 x 46 x 80	√	0,11
	Cyrrix-i 12/24V-200A intelligent combiner	CYR010200000	78 x 102 x 110	√	0,9
	Cyrrix-i 12/24V-225A intelligent combiner	CYR010225000	100 x 90 x 100	√	0,7
	Cyrrix-i 12/24V-400A intelligent combiner	CYR010400000	78 x 102 x 110	√	0,9
	Cyrrix-i 24/48V-400A intelligent combiner	CYR020400000	78 x 102 x 110	√	0,9
 Cyrrix-i 24/48V-400A	<b>Diode Battery Combiner</b>				
	BCD 302 2 batteries 30A	BCD000302000	60 x 120 x 80	√	0,6
	BCD 702 2 batteries 70A	BCD000702000	60 x 120 x 80	√	0,8
 Battery Protect BP200i	<b>Battery Protection</b>				
	BatteryProtect BP-40i	BPR000040100	80 x 60 x 40	√	0,2
	BatteryProtect BP-60i	BPR000060100	80 x 60 x 40	√	0,2
	BatteryProtect BP-200i	BPR000200100	60 x 120 x 110	√	0,8

**SHORE CABLES**

 Shore Power Cord	<b>Shore Power Cords with Shore Power Organiser Bag</b>				
	Shore Power Cord 25m 10A	SHP301502500		√	
	Shore Power Cord 15m 16A	SHP302501500		√	
	Shore Power Cord 25m 16A	SHP302502500		√	
	Shore Power Cord 15m 32A	SHP304001500		√	
	Shore Power Cord 25m 32A	SHP304002500		√	
 Power Inlet Stainless steel	Power Inlet 16A stainless steel with cover	SHP301602000		√	
	Power Inlet 32A stainless steel with cover	SHP303202000		√	
	Plug 16A/250Vac (2p/3w) for Power Inlet 16A	SHP301604000		√	
	Plug 32A/250Vac (2p/3w) for Power Inlet 32A	SHP303204000		√	
 Plug for Power Inlet	Adapter Cord 16A/250V Schuko/CEE	SHP307700220		√	
	Adapter Cord 16A/250V CEE/Schuko	SHP307700260		√	
	Splitter Cord 16A/250V CEE/2xCee	SHP307700240		√	
	Adapter Cord 16A to 32A/250V CEE/CEE	SHP307700280		√	
	Adapter Cord 32A 3 phase to single phase	SHP307700300		√	
	Adapter Cord SHP307700220				
	Adapter Cord SHP307700260				
	Splitter Cord SHP307700240				
	Adapter Cord SHP307700280				
	Adapter Cord SHP307700300				

**ALTERNATORS**



Alternator



Multi Stage Regulator

<b>60-150-SR-IG Alternator 12V/150A</b>	ALT010121501	√
with MC-612-H 12V-Max Charge Multi Stage Regulator and 2 temp sensors		
<b>60-24-70-SR-IG Alternator 24V/70A</b>	ALT010240701	√
with MC-624-H 24V-Max Charge Multi Stage Regulator and 2 temp sensors		
<b>604-150-SR-IG Alternator 12V/150A</b>	ALT012121501	√
with MC-612-H 12V-Max Charge Multi Stage Regulator and 2 temp sensors		
<b>604-24-70-SR-IG Alternator 24V/70A</b>	ALT012240701	√
with MC-624-H 24V-Max Charge Multi Stage Regulator and 2 temp sensors		
<b>621-150-SR-IG Alternator 12V/150A</b>	ALT014121501	√
with MC-612-H 12V-Max Charge Multi Stage Regulator and 2 temp sensors		
<b>621-24-70-SR-IG Alternator 24V/70A</b>	ALT014240701	√
with MC-624-H 24V-Max Charge Multi Stage Regulator and 2 temp sensors		
<b>94-210-12-IG Alternator 12V/210A</b>	ALT030122101	√
with MC-612-H 12V-Max Charge Multi Stage Regulator and 2 temp sensors		
<b>94-140-24-IG Alternator 24V/140A</b>	ALT030241401	√
with MC-624-H 24V-Max Charge Multi Stage Regulator and 2 temp sensors		
<b>Digital Duo Charge Centerfielder</b>	ALT070011400	√
	ALT070011600	√

**CHARGE CONTROLLERS**



BlueSolar MPPT 12/24V-40A

<b>BlueSolar 12/24V-10A</b>	SCC010010000	70 x 133 x 34	√	0.2
<b>BlueSolar DUO 12/24V-20A</b>	SCC010020000	76 x 153 x 37	√	0.2
<b>BlueSolar MPPT 12/24V-40A</b>	SCC010040000	202 x 66 x 140	√	1.4
<b>SolarSwitch</b>	SSW000100000	135 x 190 x 135	√	1.5

**SOLAR PANELS**



<b>Solar Panel 30W-12V Monocrystalline</b>	SPM010301200	552 x 525 x 30	√	3
<b>Solar Panel 50W-12V Monocrystalline</b>	SPM010501200	679 x 778 x 35	√	6.5
<b>Solar Panel 80W-12V Monocrystalline</b>	SPM010801200	1205 x 545 x 35	√	8
<b>Solar Panel 130W-12V Monocrystalline</b>	SPM011301200	1482 x 676 x 35	√	13
<b>Solar Panel 180W-24V Monocrystalline</b>	SPM011802400	1580 x 808 x 35	√	15
<b>Solar Panel 280W-24V Monocrystalline</b>	SPM012802400	1962 x 992 x 50	√	19
<b>Solar Panel 130W-12V Polycrystalline</b>	SPP011301200	1482 x 676 x 50	√	13

**SOLAR CABLES**

Solar Cable (4 mm<sup>2</sup>) with pre-assembled male and female MC4 (PV-ST01) connectors

<b>Length 1 m</b>	SCA000100000	√
<b>Length 3 m</b>	SCA000300000	√
<b>Length 5 m</b>	SCA000500000	√

Solar adapter cable MC4 male to ST02/SC female, length 15 cm SCA500100000  
 Solar adapter cable MC4 female to ST02/SC male, length 15 cm SCA500200000



Solar Cable with male and female MC4 connectors



MC4 male to ST02/SC female



MC4 female to ST02/SC male

**BATTERIES**

	AGM Deep Cycle		lxwxh	CE	kg	CCA @ 0°F / RES CAP @ 80°F
	* 6V/240Ah AGM Deep Cycle Batt.	BAT406225080	320 x 176 x 247	✓	✓	31
	* 12V/8Ah AGM Deep Cycle Batt.	BAT212070080	151 x 65 x 101	✓		2,5
	* 12V/14Ah AGM Deep Cycle Batt.	BAT212120080	151 x 98 x 101	✓		4,1
	* 12V/22Ah AGM Deep Cycle Batt.	BAT212200080	181 x 77 x 167	✓		5,8
	* 12V/38Ah AGM Deep Cycle Batt.	BAT412350080	197 x 165 x 170	✓		12,5
	* 12V/60Ah AGM Deep Cycle Batt.	BAT412550080	229 x 138 x 227	✓		20 450 / 90
	* 12V/66Ah AGM Deep Cycle Batt.	BAT412600080	258 x 166 x 235	✓	✓	24 520 / 100
	* 12V/90Ah AGM Deep Cycle Batt.	BAT412800080	350 x 167 x 183	✓	✓	27 600 / 145
	* 12V/110Ah AGM Deep Cycle Batt.	BAT412101080	330 x 171 x 220	✓	✓	32 800 / 190
	* 12V/130Ah AGM Deep Cycle Batt.	BAT412121080	410 x 176 x 227	✓	✓	38 1000 / 230
	* 12V/165Ah AGM Deep Cycle Batt.	BAT412151080	485 x 172 x 240	✓	✓	47 1200 / 320
	* 12V/220Ah AGM Deep Cycle Batt.	BAT412201080	522 x 238 x 240	✓	✓	65 1400 / 440
	<b>AGM Telecommunications Battery</b>					
	* 12V/200Ah AGM Telecom Batt.	BAT412181160	546 x 125 x 323	✓	✓	60 1800 / 400
	<b>GEL Deep Cycle</b>					
	* 12V/60Ah Gel Deep Cycle Batt.	BAT412550100	229 x 138 x 227	✓		20 300 / 80
	* 12V/66Ah Gel Deep Cycle Batt.	BAT412600100	258 x 166 x 235	✓	✓	24 360 / 90
	* 12V/90Ah Gel Deep Cycle Batt.	BAT412800100	350 x 167 x 183	✓	✓	26 420 / 130
	* 12V/110Ah Gel Deep Cycle Batt.	BAT412101100	330x x171 x 220	✓	✓	33 550 / 180
	* 12V/130Ah Gel Deep Cycle Batt.	BAT412121100	410 x 176 x 227	✓	✓	38 700 / 230
	* 12V/165Ah Gel Deep Cycle Batt.	BAT412151100	485 x 172 x 240	✓	✓	48 850 / 320
	* 12V/220Ah Gel Deep Cycle Batt.	BAT412201100	522 x 238 x 240	✓	✓	66 1100 / 440
	<b>GEL OPzV tubular plate 2V cells (C10 capacity)</b>					
	2V/800Ah Gel	BAT702801260	215 x 193 x 710	✓		6
	2V/1000Ah Gel	BAT702102260	215 x 235 x 710	✓		82
	2V/1500Ah Gel	BAT702152260	215 x 277 x 855	✓		120
	2V/2000Ah Gel	BAT702202260	215 x 400 x 815	✓		160
	2V/3000Ah Gel	BAT702302260	215 x 580 x 815	✓		240
	<b>OPzS flooded tubular plate 2V cells (C10 capacity)</b>					
	2V/600Ah (6 OPzS 600)	BAT802601280	206 x 145 x 666	✓		50
	2V/800Ah (8 OPzS 800)	BAT802801280	210 x 191 x 666	✓		65
	2V/1000Ah (10 OPzS 1000)	BAT802102280	210 x 233 x 666	✓		80
	2V/1200Ah (12 OPzS 1200)	BAT802122280	210 x 275 x 666	✓		93
	2V/1500Ah (12 OPzS 1500)	BAT802152280	210 x 275 x 821	✓		119
	2V/2000Ah (16 OPzS 2000)	BAT802202280	212 x 397 x 797	✓		160
	2V/3000Ah (24 OPzS 3000)	BAT802302280	212 x 576 x 797	✓		240
	* Capacity in C20 ( This refers to a 20 hour discharge )					
	Height includes poles					
	CCA @ 0°F: Cold Cranking Amps at 0° F / -18°C					
	RES CAP @ 80°F: Reserve Capacity at 80°F / 27°C					

**Prices may change without notice**  
 Prices can vary dependent on local conditions  
 Warranty to end users: 24 months from date of purchase

[www.victronenergy.com](http://www.victronenergy.com)

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