

STARBAT

(MPPT SOLAR CHARGE CONTROLLER 10 - 40 A)



- Switching system COOLMOS, low loss at high frequency
- DC wide range input
- Microprocessor control
- DC output suitable to load large batteries
- Inrush current limitation to the start power
- High efficiency DC/DC
- MPPT to optimize the input power
- CC/CV system with temperature sensor to batteries control
- Self-diagnosis of faults
- A simple LED interface
- Not isolate

Option:

- Communication RS232 port
- Kit Ethernet SNMP with software management
- Other output voltage are available

	STARBAT MODEL	1000-48	1000-110	2000-48	2000-110	3000-48	3000-110	4000-48	4000-110
POWER	POWER (W)	500	1000	1000	2000	1500	3000	2000	4000
INPUT	DC VOLTAGE	350 Vdc (Max voltage 450 Vdc)							
OUTPUT	VOLTAGE (Vdc)	48	96	48	96	48	96	48	96
	MAX CURRENT	10 A		20 A		30 A		40 A	
	MPPT INPUT RANGE	Vout +50/350Vdc							
	RECHARGE SYSTEM	Constant current / constant voltage							
	DISTORSION VOLTAGE (THD)	< 2% at full load (linear)							
	PROTECTION	Internal fuse / electronics							
	EFFICIENCY	98%							
CONNECTIONS	Input and output clamps – batteries temperature sensor								
GENERAL NOTES	NOISE (dbA at 1 meter)	< 40							
	OPERATING TEMPERATURE	0 to 40 °C							
	RELATIVE HUMIDITY AT 35° C	max 90% not condensing							
	SIGNALS	LEDS status, overload, faults							
	SIZE (WDH) mm	200 x 230 x 130 open case							
	RACK SIZE (WDH) mm	483 x 355 x 88 (2U)							
	RACK PACKAGING SIZE (WDH) mm	520 x 450 x 200							
NET WEIGHT (Kg)	4	8	4	8	4	8	4	8	
COMPLIANCE	EN 50091-1-2, EMC EN 50091-2, CSS ,								

AMPER	MODEL	CODE	DIM. (WxDxH)	WEIGHT
10 AMPER	STARBAT 1000-48	VBAT10-48	200 x 230 x 130	4
	STARBAT 1000-48-Rack	VBAT10-48-R	483 x 355 x 88 (2U)	8
	STARBAT 1000-110	VBAT10-110	200 x 230 x 130	4
	STARBAT 1000-110-Rack	VBAT10-110-R	483 x 355 x 88 (2U)	8
20 AMPER	STARBAT 2000-48	VBAT20-48	200 x 230 x 130	4
	STARBAT 2000-48-Rack	VBAT20-48-R	483 x 355 x 88 (2U)	8
	STARBAT 2000-110	VBAT20-110	200 x 230 x 130	4
	STARBAT 2000-110-Rack	VBAT20-110-R	483 x 355 x 88 (2U)	8
30 AMPER	STARBAT 3000-48	VBAT30-48	200 x 230 x 130	4
	STARBAT 3000-48-Rack	VBAT30-48-R	483 x 355 x 88 (2U)	8
	STARBAT 3000-110	VBAT30-110	200 x 230 x 130	4
	STARBAT 3000-110-Rack	VBAT30-110-R	483 x 355 x 88 (2U)	8
40 AMPER	STARBAT 4000-48	VBAT40-48	200 x 230 x 130	4
	STARBAT 4000-48-Rack	VBAT40-48-R	483 x 355 x 88 (2U)	8
	STARBAT 4000-110	VBAT40-110	200 x 230 x 130	4
	STARBAT 4000-110-Rack	VBAT40-110-R	483 x 355 x 88 (2U)	8

Option

CODE	DESCRIPTION
7050	Communication RS485 port
7060	Temperature sensor with 2 metres of cable