

# CPS3 battery chargers



Part number	CPS3/12-16	CPS3/12-25	CPS3/12-40	CPS3/12-60	CPS3/12-80	CPS3/12-100	CPS3/24-12	CPS3/24-20	CPS3/24-30	CPS3/24-60	CPS3/24-75	CPS3/24-120	CPS3/24-150-TRI	CPS3/48-15	CPS3/48-30	CPS3/48-60
Output voltage	12 VDC						24 VDC						48 VDC			
Nominal output current	16 A	25 A	40 A	60 A	80 A	100 A	12 A	20 A	30 A	60 A	75 A	120 A	150 A	15 A	30 A	60 A
Input voltage	From 85 to 265 VAC single-phase automatic												304/552 VAC 3-phase	From 85 to 265 VAC single-phase automatic		
Input frequency	From 47 to 65 Hz automatic															
Input current consumption at 230VAC	1,4 A	2,0 A	3,2 A	4,6 A	6,0 A	6,9 A	1,9 A	3,1 A	4,4 A	9,0 A	11,5 A	17,0 A	7,0 A*	4,3 A	9,0 A	17,0 A
AC input connection	On screw terminal with clamping through plastic gland															
Power limitation through external bipolar switch (max input current = 6A)	no			yes			no			yes			no		yes	
Power factor	0,9 at rated conditions**															
Efficiency	> 80% at rated conditions**															
Output voltage regulation	+/- 1%															
Recommended battery bank (Ah)	100-200	200-300	300-500	500-700	700-900	900-1200	100-200	200-300	300-500	500-700	600-900	900-1400	1200-1800	100-200	200-400	500-700
Number of battery bank (through cable lead-in and with in-built anti-return diode)	3 : +BAT D, +BAT1 and +BAT2					1	3 : +BAT D, +BAT1 and +BAT2					1	3 : +BAT D, +BAT1 and +BAT2		1	
Special terminal to connect an additional battery isolator	yes															
DC output connection on threaded rod h=25 mm	M5	M6			M8		M5	M6			M8		M6		M8	
Charging curve	3-step IUoU as manufacturing setting - IU through internal setting															
Battery type	Lead sealed as factory setting - Other choice through internal setting (calcium lead, gel, AGM, etc.)															
Boost voltage	14,5 / 29,0 / 58 VDC for Lead sealed batteries - Manufacturing setting															
Typical BOOST duration	4 hours															
Floating voltage	13,8 / 27,6 / 55,2 VDC for Lead-sealed batteries - Manufacturing setting															
Output voltage adjustment	Using internal potentiometer															
Front panel indicators	3 LEDs that monitor the AC presence and the charge phase (Boost, Absorption, Floating)															
Operating temperature	Nominal conditions from - 10°C to + 55 °C; then derating: output power reduction < 2,5 %/°C For temperature > 65°C automatic stopping - Automatic restart															
Cooling	Natural			Electric fan controlled by the output current			Natural			Electric fan controlled by the output current						
Sound level	< 50 Dba at 1 metre															
In-built electrical protection	Against short-circuit, polarity reversal, over-voltage, over-heating, over-current															
Protection factor	IP 23			IP 22			IP 23			IP 22						
Overall dimensions (mm) Not including cable gland	h: 179 w: 258 d: 106	h: 212 w: 282 d: 117	h: 260 w: 350 d: 123	h: 400 w: 350 d: 123	h: 179 w: 258 d: 106	h: 212 w: 282 d: 117	h: 260 w: 350 d: 123	h: 400 w: 350 d: 123	h: 212 w: 282 d: 117	h: 260 w: 350 d: 123	h: 400 w: 350 d: 123	h: 212 w: 282 d: 117	h: 260 w: 350 d: 123	h: 400 w: 350 d: 123		
Case type	1M	2M	3M	1H	1M	2M	3M	1H/2H	2M	3M	1H	2M	3M	1H		
Weight (Kg)	2,5	4,2	7,5	12,7	2,5	4,2	7,5	14	4,2	7,5	12,7					
Standards	CE, UL and CSA															
Guarantee	3 years															

\*@400 VAC 3-phase \*\* Except CPS/24-150-TRI

CPS3 BATTERY CHARGER OPTIONS*	Remote ON/OFF charger	Remote front indicators	Remote ON/OFF Boost	Temperature sensor for battery compartment	Digital display	Battery Monitor
Item part number	A/M-CPS2-CPS3	LED-DEP-CPS3	BAD-CPS2-CPS3	STP-CPS2-CPS3	SEEL009104	JBNUM-CPS3

\* According to the models.

