

Blue Power Battery Charger Waterproof IP65

Completely encapsulated: waterproof, shockproof and ignition protected

Water, oil or dirt will not damage the Blue Power charger. The casing is made of cast aluminium and the electronics are molded in resin.

Protected against overheating

Can be used in a hot environment such as a machine room. Output current will reduce as temperature increases up to 60°C, but the Blue Power charger will not fail.

Automatic three stage charging

Once the absorption voltage has been reached, the Blue Power charger will switch to float charge 2 hours after the charge current has reduced to a low break point current (see specifications), or after a 20 hour absorption period. The battery is therefore effectively protected against overcharging and can remain permanently connected to the charger. The charger will automatically reset and start a new charge cycle after interruption of the AC supply or after reduction of the output voltage to 12V resp. 24V due to a DC load.

Two LED's for status indication

Yellow LED: battery being charged

Yellow LED and Green LED: absorption charge

Green LED: float charge, the battery is charged

**Blue Power Charger
24V 3A IP65**



**Blue Power Charger
24V 12A IP65**



Blue Power charger Waterproof	12/7	12/17	24/3	24/12
Input voltage range (V AC)	200-265			
Frequency (Hz)	45-65			
Charge voltage 'absorption' (V DC)	14,4	14,4	28,8	28,8
Charge voltage 'float' (V DC)	13,7	13,7	27,4	27,4
Charge current (A)	7	17	3	12
Charge characteristic	3 stage with max. 18 hours absorption time			
Minimum battery capacity (Ah)	15	35	6	24
Breakpoint current (A)	0,7	1,7	0,3	1,2
Can be used as power supply	√	√	√	√
Protection (1)	a,b,c,			
Operating temp. range	-20 to +60°C (full rated output up to 40°C)			
Humidity	Up to 100 %			
ENCLOSURE				
Material & Colour	aluminium (blue RAL 5012)			
Battery-connection	Black and red cable of 1,5 meter			
230 V AC-connection (2)	Cable of 1,5 meter with Schuko plug			
Protection category	IP 65			
Weight (kg)	1,1	1,4	1,1	1,4
Dimensions (h x w x d in mm)	43 x 80 x 155	47 x 99 x 193	43 x 80 x 155	47 x 99 x 193
STANDARDS				
Safety	EN 60335-1, EN 60335-2-29			
Emission Immunity	EN 55014-1, EN 60555-2			
Automotive Directive	EN 55014-2, EN 60555-3			
1) Protection key: a) Battery reverse polarity (fuse in battery cable) b) Output short circuit c) Over temperature	2) Other plug types on request			

