

OmniCharge 20A – 60A (12V/24V)



Designed specifically for the most challenging applications, OmniCharge is robustly designed using the highest quality components for maximum efficiency, ultimate reliability and best battery charging performance. OmniCharge is the perfect choice where lives and livelihoods depend on batteries being charged and maintained in top condition.

High quality output electronics provide a very 'clean' charging voltage (DC ripple from low quality electronics shorten battery life) - combined with up to 8 stage smart charging, OmniCharge rapidly replenishes battery capacity, keeps up with immediate DC loads and maintains batteries when in stand-by for long periods of time. Universal AC input and Power Factor Correction allow operation anywhere in the world and even from poor quality AC supplies.

Standard programmes are built in for most battery types—custom ones can be created using a PC interface allowing custom programmes for exotic battery chemistries.

- Robust industrial design, designed for continuous high output duty
- 3x Full current outputs
- Universal AC input with full power factor correction
- Multistage intelligent charging programs plus custom charging facility
- Protected against battery failure, high temperature, overload, short circuit, low input voltage and reverse polarity
- Variable speed fan for silent operation
- Temperature compensation (sensor included)
- Alarm output
- 3 year warranty, upgradable to 5 years.

Basic remote control with LEDs



Universal Remote Control with LCD



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Parameter	OC12-40	OC12-60	OC24-20	OC24-30
PART #	30-3006	30-3008	30-3012	30-3014
AC INPUT VOLTAGE	100-260Vac / 47-63Hz / PF τ 0.95			
FULL LOAD POWER CONSUMPTION	700VA	1050VA	700VA	1050VA
AC INPUT CURRENT	6A/3A	94/4.5A	6A/3A	9A/4.5A
FULL LOAD EFFICIENCY	88%	88%	89%	89%
NOMINAL OUTPUT VOLTAGE	12Vdc		24Vdc	
TOTAL OUTPUT CURRENT	40A(4A)	60A(4A)	20A(2.5A)	30A(2.5A)
CHARGE CHARACTERISTIC	IUoUoP, intelligent 4-stage, temperature compensated			
ABSORPTION VOLTAGE	14.4Vdc		28.8Vdc	
FLOAT VOLTAGE	13.5Vdc		27.0Vdc	
STANDARD EQUALIZE VOLTAGE	15.5Vdc		31.0Vdc	
SUPPORTED BATTERY TYPES	Flooded / GEL / AGM / LiFePO4 / Custom			
RECOMMENDED BATTERY CAPACITY	80-400Ah	120-600Ah	50-200Ah	70-300Ah
DC CURRENT DRAW (CHARGER OFF)	5ma		4mA	
OPERATING TEMP. RANGE	-20°C ... +55°C (humidity max. 95% non condensing)			
STORAGE TEMP. RANGE	-40°C ... +80°C (humidity max. 95% non condensing)			
COOLING	Variable speed fan controlled by temperature and load			
TSBLINK ENABLED	Yes	Yes	Yes	Yes
PROTECTION AGAINST INDICATIONS	Low Ac voltage, output short circuit, high temperature, battery overcharging and reverse polarity (fuse)			
DC OUTPUT CONNECTIONS	4x M8 bolts (main output), Screw terminals (auxiliary output)			
AC INPUT CONNECTIONS	Screw terminals			
ENCLOSURE BODY SIZE (H X W X D)	351 x 210 x 114mm			
TOTAL WEIGHT	5.8 kg			
PROTECTION CLASS	IP21 (mounted in upright position)			
STANDARDS	CE marked meeting EMC directive 2004/108/EC and LVD 2006/95/EC complying with EN60335-1, EN60335-2-29			

