

# INDUSTRIAL BATTERY CHARGERS WITH 185V~265V 1PH INPUTS USING HIGH FREQUENCY- SWITCHED MODE TECHNOLOGY

Single input voltage range 185V~265V 47/62Hz  
High efficiency of >85%  
Ambient temperature range of 0 deg C to +40 deg C

Charging cycle starts at 1V/cell minimum battery voltage  
Charge profile for flooded lead acid batteries : IWoP  
Charge profile for GEL-AGM sealed batteries : IUoP  
Maximum charge time with 80% discharged battery

Input cable length 2.0 metres  
Output cable length 2.5 metres

PSW 2412



A comprehensive range of 'state of the art', automatic industrial battery chargers, using high frequency switched mode technology. These units have been designed with a wide input range of 185V~265V 1ph 47/65Hz and have efficiencies of greater than 85%.

They can be programmed for charging both lead acid and GEL batteries. The battery capacity, charge time, and gassing point or maximum battery voltage during charge can also be adjusted. Other important programmable features are inherent in the design.

Quality is a prime feature of this range with full EMC testing and verification and full vibration and mechanical tests performed. Every charger has a 3 hour 'burn in' test at full power at 40 deg C ambient.

They are compact and light compared to conventional charges and are unaffected by input voltage fluctuations. Each charger has a built in memory that can be accessed by a special programmer. Information stored includes charger setting, serial numbers, number of charge cycles, battery discharge count, charge and discharge count and charge interruptions. Latest monthly stored information includes voltage and current records at the start of charging, voltage and current records at the end of charging, the Ah supplied during charging, errors during charging and stop conditions. This information is invaluable to ensure safe and proper use of the charger. This applies especially when the charger is fitted remotely with the remote display option.

\* With automatic battery voltage switch

Reference Input voltage	Output V DC	Output A DC	KW	A~	Weight kg	Length mm	Width mm	Height mm	Lead acid						GEL-AGM sealed	
									13h		11h		8h		12h	
185V~265V 47/62Hz				230V					Ah/C 5 Min.	Ah/C 5 Min. Max.	Ah/C 5 Min. Max.	Ah/C 5 Min. Max.	Ah/C 5 Min.	Ah/C 5 Max.		
PSW 1212	12V	12A	0.23	1.8A	1.3	234	121	67	30	140	30	120	30	80	30	120
PSW 1225	12V	25A	0.45	3.2A	1.3	234	121	67	100	300	100	240	100	160	100	240
PSW 122412 *	12-24V	12A	0.41	1.8/3.0A	1.3	234	121	67	30	140	30	120	30	80	30	120
PSW 2412	24V	12A	0.41	3A	1.3	234	121	67	30	140	30	120	30	80	30	120
PSW 2420	24V	20A	0.67	4.6A	1.5	234	121	67	80	240	80	200	80	120	80	200
PSW 2430	24V	30A	1.00	7A	2.3	259	146	81	120	360	120	300	120	180	120	300
PSW 2460	24V	60A	2.00	12A	3.9	330	175	100	180	720	180	600	180	360	180	600
PSW 3620	36V	20A	1.00	6.9A	2.3	259	146	81	80	240	80	200	80	120	80	200
PSW 3640	36V	40A	2.00	12A	3.9	330	175	100	160	480	160	420	160	240	160	420
PSW 4815	48V	15A	1.00	6.8A	2.3	259	146	81	60	180	60	160	60	80	60	160
PSW 4830	48V	30A	2.00	12A	3.9	330	175	100	120	360	120	300	120	180	120	300
PSW 7220	72V	20A	2.00	12A	3.9	330	175	100	80	240	80	200	80	120	80	200
PSW 8020	80V	20A	2.10	14A	3.9	330	175	100	80	240	80	200	80	120	80	200
PSW 8420	84V	20A	2.10	14.5A	3.9	330	175	100	80	240	80	200	80	120	80	200

