

48V SMPS FLOAT CUM BOOST CHARGERS

Autoronica is introducing High Frequency compact footprint. Battery Charger with SMPS Technology. The Battery Charger has very High Efficiency ($\geq 88\%$), near Unity Power Factor (≥ 0.98) and small footprint with highest reliability.

ADVANTAGES →

- ✓ Charging cost $\leq 25\%$ compared to conventional chargers.
- ✓ Input current $\leq 25\%$ compared to conventional chargers.
- ✓ Battery MCB provided for Battery reverse polarity protection.
- ✓ Automatic refreshing charge ensures battery remains in full charged condition.

TECHNICAL SPECIFICATIONS

Model	4812B	4825B	4850B	48100B
Nominal I/p	150 V – 275 V AC			
Nominal O/p	48 V DC			
Current	12.5A/15A	25 A	50 A	100 A
Frequency	50 Hz			
Charge Voltage	56 V DC			
Float Voltage	50 V DC with adjustment between 50-52 V			
Power Factor	Better than 0.9			
Ripple + Noise (peak-to-peak)	< 200 mV			
Efficiency	$\geq 88\%$			
Indications	AC Ok, Charging, Fully Charged			
Amb. Temp.	0 to 50 ^o C			
Dimensions (W x D x H) mm	483 x 275 x 88	483 x 450 x 280	220 x 420 x 300	642 x 525 x 522



SALIENT FEATURES →

- Current Limitation
- Over Voltage Protection
- Short Circuit Proof
- Charge Monitoring LED
- Charge Termination
- Analog Controller (Optional Microprocessor Controller)
- Incorporating the latest technology these high frequency chargers are the ideal choice to recharge batteries on small electric vehicles, cleaning machine and pallet trucks. Suitable for flooded or value regulated blocks and batteries the design ensures reliability, safety, easy of use and optional charging.
- **SWITCH MODE DESIGN**
Using High Frequency Technology. The size & weight of these highly efficient chargers has reduced and above all manufacturing, handling, transportation and installing them has become very easy.
- **EASY TO USE**
 - ✓ Charge parameters adjust automatically with the battery state of charge.
 - ✓ In case of reverse polarity connection of DC output, there is internal protection to ensure the charge is not damaged.
- **FLEXIBILITY:**
 - ✓ Different charging regimes are given for Flooded, Gel or Low Maintenance batteries