

BATTERY PACKS

- SP Li-Ion batteries have 3 stage electronic protection
- Li-Ion with max charge voltage of 4.25v
- 3 cells 12.75 (12v), 5 cells 21.25 (18v)
- Phosphate based for higher thermal stability
- 18v slide style, 3.6v & 12v mini cassette style



Model No.	Description
SP81972	• 3.6v/1.5Ah
SP81982	• 12v/1.5Ah
SP81981	• 12v/2.0Ah
SP81983	• 16v/2.0Ah
SP81992	• 18v/1.6Ah
SP81994	• 18v/2.0Ah
SP81996	• 18v/3.0Ah
SP81997	• 18v/4.0Ah
SP81998	• 18v/5.0Ah

BATTERY CHARGERS

SP multi function microprocessor controlled 3.6, 12 & 18volt battery Chargers have a 9 stage control and protection system

1. Programmable over-charge voltage
2. End of charge current
3. Temperature cut-off
4. Safety charging time
5. Receive charge termination signal
6. Over-charge voltage protection
7. Over-charge current protection
8. Short circuit protection
9. Relay control protection

Model No.	Output Voltage	Input Voltage	Operating Temp	Storage Temp
SP81970	• 3.6/2.0A	• 100-240vac 50/60Hz	• 0 to 40°C	• -20 to 70°C
SP81893	• 12v / 2.0A	• 100-240vac 50/60Hz	• 0 to 40°C	• -20 to 70°C
SP81985	• 16v / 2.0A	• 100-240vac 50/60Hz	• 0 to 40°C	• -20 to 70°C
SP81989	• 18v / 3.0A	• 100-240vac 50/60Hz	• 0 to 40°C	• -20 to 70°C
SP81991	• 12-18v / 2.3A	• 12v Input (Car Charger)	• 0 to 40°C	• -20 to 70°C

