

Traction batteries

PURE LEAD CARBON

BATTERY SYSTEM FOR ELECTRIC PALLET TRUCKS

AGM THIN PLATE LEAD CARBON

CHARACTERISTICS

- Designed for small traction applications
- Totally maintenance free
- Could be installed in any position (except inverted)
- High energy density
- Opportunity charge design
- Operating temperature range -40°C to +65°C
- Modified electrochemistry delivers high capacity and high power density
- Steel containers
- Optimization for cycling performances (up to 1200 cycles at 60% DoD)
- Available in 12V blocks and assembled batteries to be installed in DIN crates



2S BAT/190FT-C
24V 170Ah/C5



Cell Type DIN						
Reference	Capacity (Ah/C5)	Weight (Kg)	Dimensions (mm)			
			X	Y	H	
2S BAT/190FT-C	170	160	650	220	580	-> framed insert

BENEFITS

- Resistant to extreme low & high temperatures: -40°C to +65°C
- Longer battery life : 3 times more cycles than standard AGM
- Maintenance-free
- Five times faster recharging
- High performance
- Minimal gassing
- Low self-discharge
- PSOC: Partial State Of Charge



APPLICATIONS



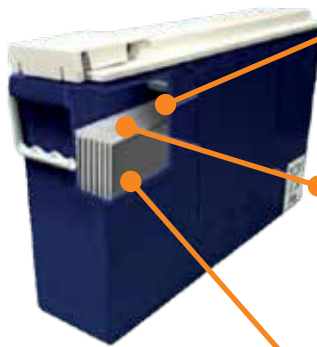
Pallet jack



AGV



Cold storage



Robust Intercell Connections
To prevent vibration, the cell connectors are casted and bonded to the plates.

Compressed AGM Plate Separators
Made for extreme vibration resistance

Pure Lead Plates
Thin Plates constructed from 99% pure lead

Thin plate Pure Lead

- Excellent cycle life time
- Fast recharge
- High Energy throughput
- Space saving

Quicker Recharge after using

Fast Discharge

Buzzer (low SOC)



Discharge meter

Led indicator:
State of charge
Green: 100% charged
Yellow: 80% charged
Red: Start charging

On-board charger
(built-in interlock relay)
No driving while charging



Low Internal Resistance

- Increased charge efficiency/charge acceptance
- Lower energy consumption for battery recharge
- Lower heat generation
- No risk of thermal runaway

PSOC functionality

- Longer life time in hard condition
- Fast recharge
- Opportunity charge

Exposure to high temperature conditions

- Temperature levels from -20 °C to + 45 °C

