# **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





## 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





#### 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

#### Buzzer (low SOC)



Discharge meter

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



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

#### Quicker Recharge after using

**Fast Discharge** 

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

