









LI-ION BATTERY SOLUTION FOR TELECOM BASE STATION



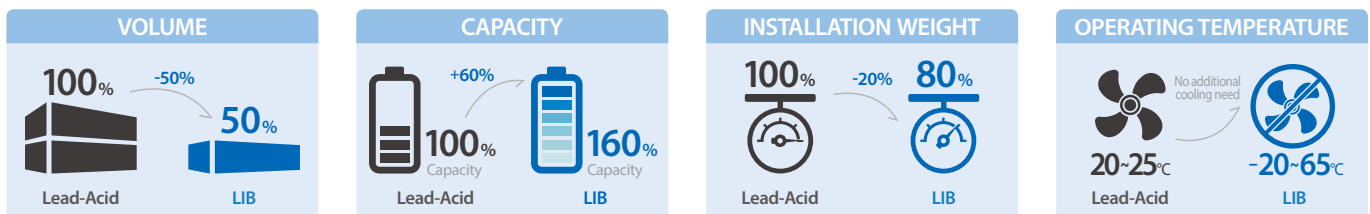
Samsung SDI's safe, proven and the most reliable solution for telecom industry

Meet Samsung SDI's newest BTS solution which will give you peace of mind. With Samsung SDI's BTS solution, you can enjoy the benefits of lower total cost of ownership, higher performance, higher environmental friendliness, lower maintenance, and more.

SPECIAL FEATURES

-  Fully replaceable with current batteries (Lead-Acid, Ni-Cd)
-  Batteries can use existing rectifier by only adjusting some values (Voltage range, Current)
-  Flexible capacity configuration (2.34 kWh / 45.8Ah ~ 37.45 kWh / 732.8Ah, 1 to 16 trays)
-  Simple maintenance
-  Automatic voltage balancing between trays
-  SDI battery system ensures safety under any abnormal conditions
-  Optionally provided gateway can support LCD display, Dry-contact(8ch), RS-485(1ch), CAN 2.0b(1ch) functions
-  Hot-swappable battery
No power-down during maintenance

CAPABLE OF CLEARING ALL PAIN POINTS OF LEAD ACID



SPECIFICATION

Operating conditions

Operating temperature	-20°C ~ +65°C / -4°F ~ +149°F
Self-discharge (power on)	6 months at 25°C
Storage time (power off)	12 months at 25°C
Maximum relative Humidity	90%
Maximum altitude	2000m above sea level

Nominal Characteristics at +25°C / +77°F

Voltage (V)	51.1
Capacity (Ah)	45.8
Rated Energy (Wh)	2340
Volumetric energy density (Wh / l)	117
Gravimetric energy density (Wh / kg)	122

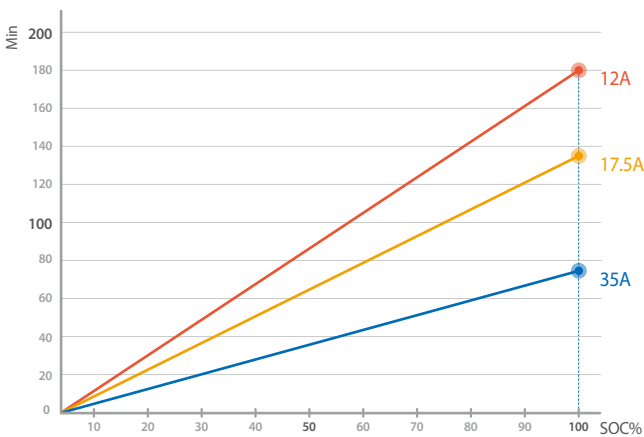
Mechanical Characteristics

Width (mm)	482 (19" Rack Mount Type)
Height (mm)	96
Depth (mm)	433
Weight (kg)	18.5

Nominal Characteristics at +25°C / +77°F

Voltage range (V)	42 ~ 56
Nominal discharge current (Amps)	17.5
Nominal recharge current (Amps)	17.5
Maximum discharge current (Amps)	35
Maximum recharge current (Amps)	35
Peak discharge current in 3sec (Amps)	40
Peak recharge current in 3sec (Amps)	40
Recharge time at 17.5Amps / 35Amps (h)	3h / 1.5h

RECHARGE TIME



TYPICAL LIFE CYCLES

