

Energy Storage Solution

Using its outstanding Battery Management Solution technology, TS60s develops and provides 'Energy Storage System' (ESS) that can satisfy the customer's requirements.

TS60s has not only successfully developed the large scales 'Energy Storage System (ESS), but also has been supplying medium sized and small size 'Energy Storage System (ESS) for factory, office and home with inside hybrid Inverter/Charger/Solar charger solution.

■ MWh ESS

- Feature
 - High Efficiency
 - Excellent safety & long life
 - Easy Scalability of capacity

- Reference
 - Seoul Metro 740kWh ESS

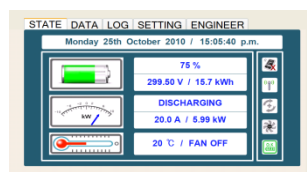


- ✓ 740Kwh (XXXV, XXXAh)
- ✓ Remote Monitoring

■ Middle size ESS

- Feature
 - Excellent safety & long life
 - Various type Lithium-ion Battery
 - Easy Scalability of capacity

- Reference
 - Government Project on Jeju Island



- ✓ 18kW (256V, 70Ah)
- ✓ Remote Monitoring for iPhone

- PV connected type for factory & Building (48Kw)



- ✓ PV : 540V
- ✓ Hybrid PCS : 20kW
- ✓ ESS: 48kW (532.8V, 90Ah)

■ Small size ESS

- Feature
 - Grid tied power system
 - PV(Photo Voltaic) input support (Internal hybrid PCS)
 - UPS function
 - Programmable(Timer) function
 - Touch screen display
- Reference

			
Energy Storage	10kW(XXV/XXA)	5kW(XXV/XXA)	3kW (74V/40Ah)
PV in		360V/13A	360V/13A
Grid in		220V/20A	220V/20A
Grid Out		220V/13.6A	220V/13.6A

■ Portable ESS

- Feature & Reference
 - 12V DC Output (USD, AC, Cigar jack)
 - Support PV Charging
 - Battery Size Options : 320Wh/640Wh/1kWh



■ Redox Flow Hybrid ESS

- Feature
 - Integrated control system of Hybrid (Flow Battery, Li Battery)
 - Battery Management System for Redox battery
 - Control Algorithm of Extended Multi Cell

- Reference



- ✓ 300kWh Mater BMS for Hybrid ESS
 - 250kWh Flow Battery
 - 50KWh Lithium ion Battery
- ✓ 500kWh Flow Battery BMS
 - Installed at wind plant (Scotland)