

- - Alarm Trip output programmable •
- "RS 485" Port for communication to BMS/EMS/SCADA/PLC
 - Optional Data logging •
 - Optional "ETHERNET" Port •





SMART LOAD MANAGERS

FFATURES

- True RMS measurements & 4 quadrant operation.
- Simultaneous sampling of Volt & Amps.
- Error Indication of Phase sequence.
- Error Indication of CT polarity reverse.
- Auto scaling into kilo, Mega, Giga & decimal point.
- THD for Voltage & Current phase wise & Total.
- High & Low recording of events like A, VLN, VLL, Hz.
- % Unbalance of V & A of all phases.
- Old Energy Register & Load hours.
- Monitors export & import of energy.
- RS 485 communication Port OPTIONAL FEATURES
- Demand (kVA or kW) Rising / forecast with TOU.
- User programmable demand type.
- Demand interval (1min to 60 min, Std.-30min).
- Dual Source measurement (EB& DG).
- Data logging Facility.
- Upgradable to higher version.
- Register Map user programmable.
- ETHERNET Port.

PROGRAMMABLE PARAMETER

 CTR,PTR, Meter ID(RS485),Password, RTC,Demand type,Demand Interval, & TOU, Alarm setting, Auto scrolling.

ALARM OUTPUT FEATURES

- Single Relay output to trip alarm.
- Over & Under Voltage.
- Over & Under Current.
- Over THD%.
- Over & Under kW, kVA, PF.
- Relay rating: 5A/250VAC.

SYSTEM

- Aux.Supply: 80-265VACDC.
- Input Voltage: 80 500VAC.
- Current Rating: 5A or 1A AC on request.
- Starting Current: 0.2% of rated current.

ACCURACY

- Class 1.0% as per IS 13779.
- Optional class 0.5%.

DISPLAY FEATURES

- 4 digits phase-wise, Average & Total.
- kWh 8 digits.
- Viewing Area 44x68mm.

FNVIRONMENT

- Ambient temperature : -10°C to 55°C.
- Storage temperature : -10°C to 70°C.
- Relative Humidity : <95%, Non condensing

MECHANICAL DIMENSIONS

Front	96 x 96mm (Depth 54 mm)			
Panel Cut out	91 x 91mm (± 0.1mm)			
Casing	Flame retardant ABS			
Connectors	Terminal block ABS			
Protection	IP 52 front			
	IP 20 Terminal block			

FEATURES	PARAMETRS	SL 6300	SL 6300 DS	SL 6300 MDC
		(Basic)	(Dual Source)	(With Demand)
Line to Neutral VLN	VLN Average, Vr-N, Vy-N, Vb-N			
Line to Line VLL	VLL Average, Vr-y, Vy-b, Vb-r			
Line Current I	laverage, Ir, Iy, Ib			
Frequency	HZ			
POWER				
Active Power	W Total, Wr, Wy, Wb			
Apparent Power	VA Total, VA r, VA y, VA b			
Re active Power	VAr Total, VAr r, VAr y, VAr b			
Power Factor	PF Avg, PF r, PF y, PF b			
ENERGY/INTEGRATED				
Active Energy Total kWh	Wh Tot, Import & Export			
Apparent Energy Total kVAh	VAh Tot			
Re active Energy Total kVArh	VArh Tot VArh -Ind, VArh-Cap			
Load Hours, On Hours	Load Hours, On Hours			
HARMONICS				
THD% Voltage & THD% Current	Phase-wise & Total			
EVENTS - HIGH/LOW				
Voltage, Current, Frequency	VLN, VLL, A, Hz			
DEMAND				
Active Power(kW), Apparent Power(kVA)	kW or kVA (4 relay output)	Only Display		
ALARM- 1Relay output field programmable	VLN, VLL, A, Hz, kW, PF, kVA, THD			
Dual source Measurement DG				
RS 485 Communication port as a standard or Ethernet Port				

HIGH LOW EVENTS RECORDING: Enables user to identify & record single phasing, over/under voltage & current, highly lagging load etc & get to understand root cause and take necessary action, thereby enabling improving the electrical system by not over loading cables, motor and switchgear.

HARMONICS: The level of harmonics helps user to identify the distortion in electrical system & take necessary action using appropriate harmonic filters thus saving energy & also enhancing equipment & plant life.

DEMAND: Monitoring enables understanding the demand profile of billing cycle having demand peak with date & time stamp. This helps user to plan production equipment such as furnace & motors etc. Also it helps control by setting the peak demand values which if surpassed lead to alarm/cut off or supplementing deficit power requirement using Diesel Generator thus helping restrict crossing the sanctioned demand.

DATA LOGGING: This helps to determine the performance, quality, efficiency, cost reduction, fuel consumption and monitors many other critical factors.

ETHERNET PORT: This module is very useful for connecting a legacy serial device to an Ethernet network. It supports virtual mode of operation. In the virtual mode, one can configure the board as a PC COM port, thus enabling running of legacy application software.