

Lot-1

Operating System: Ubuntu/Windows/LINUX latest edition

Battery : 6 Cell Battery

Processor Cache: Minimum 2MB

LOT (5)

| SL # | Item Description | Qty |
|------|--|-------------|
| 1 | Solar Module, 200Wp, 24V | |
| 2 | Solar Deep Cycle Maintenance Free Battery, 12V, 200A | |
| 3 | MPPT Solar Charge Regulator, 45A | |
| 4 | Hybrid Inverter, 400VA, 230V AC, 50 Hz | |
| 5 | Module Support structure | |
| 6 | Cables and Other Accessories | As Required |

Inverter

| | |
|--|------------------------|
| Input Battery Voltage range | 18-31 VDC |
| Nominal AC output voltage | 230 VAC \pm 5% |
| Output frequency and accuracy | 50 Hz \pm 0.1 Hz |
| 1 msec surge current (amps AC) | To be quoted by bidder |
| 100 msec surge current (amps AC) | To be quoted by bidder |
| 5 sec surge power (real watts) | To be quoted by bidder |
| 30 sec surge power (real watts) | To be quoted by bidder |
| 5 min surge power (real watts) | To be quoted by bidder |
| 30 min surge power (real watts) | To be quoted by bidder |
| Continuous power output at 25 C | 400 VA |
| Rated input battery current at 25.2VDC | To be quoted by bidder |
| Inverter efficiency | To be quoted by bidder |
| Transfer time | To be quoted by bidder |
| Search mode (Typical) | To be quoted by bidder |
| continuous power output at 25 ^o C | To be quoted by bidder |
| Waveform | Modified sine wave |

Charge specification

| | |
|---|-------|
| Continuous output at 25 ^o C | 75A |
| Charge efficiency(Peak) | 87% |
| Power factor | >0.95 |
| Input current at rated output (AC amps) | 11.5 |

General features and Capabilities

| | |
|---------------------------|-------|
| Transfer relay capability | 30AAC |
|---------------------------|-------|

| | |
|--|--|
| Five stage charging capability | Bulk, Absorbe, Float, Equalize (requires remote), and battery Saver |
| Battery temperature compensation | 15 ft Battery temp sensor standard |
| Remote available(optional) | Yes, ME-RC |
| Internal cooling | 0 to 120 CFM variable speed |
| Over current protection | with two overlapping circuits |
| Conformal coating on PCB's for corrosion protection | Yes on transformer, MoSFETS, and battery |
| Powder coated chassis & top for corrosion protection | YES |
| stainless steel fasteners for corrosion protection | YES |
| output circuit breaker | YES |
| input circuit breaker | 30 AAC |

Environmental Specification

| | |
|---------------------------|--------------------------------------|
| Operating temperature | .-20° C to 60° C (-4° F to 140° F). |
| Non operating temperature | .-40° C to 70° C (-40° F to 158° F). |
| Operating humidity | 0 to 95% RH non condensing |

Solar Module :

| | |
|-------------------------------------|--|
| Module Type | : Poly-crystalline |
| Nominal peak power (Wp) | : 200 W |
| Nominal voltage (Vmp) at STC | To be quoted by the bidder |
| Nominal current (Imp) at STC | To be quoted by the bidder |
| Open circuit voltage(Voc) at STC | To be quoted by the bidder |
| Short circuit current (Isc) AT STC | To be quoted by the bidder |
| Module efficiency | To be quoted by the bidder |
| Maximum System voltage | : 1000VDC |
| Certifications | : IEC61215, IEC61730, CE , ETL Listed (UL1741) |

Warranty:

| SL | Name of the components | Warranty | Expected Life |
|----|-------------------------------|----------|---------------|
| 01 | Solar PV Module | 25 years | 25 - 30 years |
| 02 | Deep Cycle Industrial Battery | 5 years | 8-10 years |
| 03 | MPPT Charge Controller | 5 years | 7 – 8 years |
| 04 | Inverter | 2 years | 5 – 7 years |

Schematic Diagram to be provided by the Bidder