Specifications
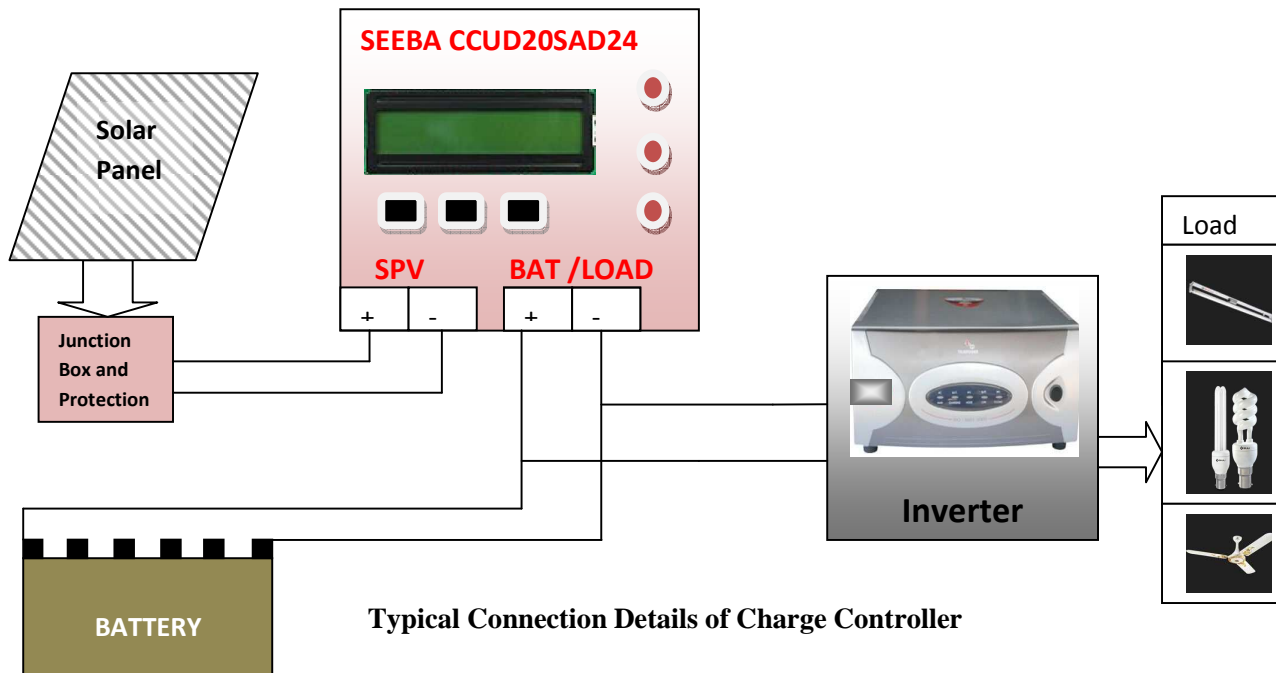
CCUD20SAD24/36/48

**Solar Charge Controller –Digital-20Amp , Stand-alone wih Display,
For 24V,36V,48V Battery Systems.**

SEEBA CCUD20SAD24

Solar Panel

SPV   BAT /LOAD
\+ \-   \+ \-

Junction Box and Protection

Load

Inverter

BATTERY

Typical Connection Details of Charge Controller

FEATURES

- **Highly Efficient Analog Controlled MPPT/ PWM Charge Controller**
- **User Settable Set-points by Keypad and Display**
- **Float and boost Mode for Battery Charging with Voltage and Current Limit settable**
- **Adjustable Low Voltage Disconnect (LVD), Load Reconnect, Overload**
- **Operating Temperature Range 0 to 50 Deg C**
- **Stand By Power Consumption <100mA**
- **Natural Cooled**
- **Highly Reliable and rugged construction for long service life**
- **Module for Indoor Installation IP20 Protection**
- **Efficiency better than 90%**
- **Measurements and display Input PV Voltage/ Current , Output Battery/Load Voltage-Current, O/p kW and Output kWH totalized**
- **Indications : Current Limit Operation, Voltage @ Set Value, Load Disconnect**

SPECIFICATIONS[*]

SPECIFICATION/ MODEL:	CCUD20SAD24	CCUD20SAD36	CCUD20SAD248
Nominal Battery Voltage	24VDC	36VDC	48VDC
Maximum Solar Array	600W	900W	1200W
Recommended Array	550W	825W	1100W
PV Open Circuit Voltage	<140V		
LVD setting Range	18-21.4V	27-32.1V	36-42.8V
Load Reconnect setting Range	25.3-28V	37.5-42V	50.6-56V
Temperature Compensation	Disable-4mV/DegC /2V Cell		
Protections	1) Reverse Polarity: PV,Battery 2) Input Side: MOV 3) Fuse Protection In Input and Output, Both Lines 4) Current Limiting		
Dimensions	270mm x 130mm x 150mm (H xWxD)		
Control	PWM /MPPT		
Measurements and display	• Input PV Voltage • Input PV Current • Output Battery/Load Voltage • Output Battery/Load Current • O/p Instantaneous kW • Output kWH Totalized		

*Subject to Change without Notice due to continuous development process