



URJIT GRIHA



UJJWAL GRIHA

RAYFUEL offers unique SOLAR POWER PACKS for HOMES / SHOPS / OFFICES / WAREHOUSES and many other applications. These DC driven solutions suffices basic electricity needs like lighting, fans, mobile phone charging and running small DC TV sets. These SOLAR POWER PACKS comes in various configurations and houses latest technology Lithium -ion / Lithium -Ferro Phosphorous batteries with state-of-the- art Battery Management System, for providing better functional performance. Our SOLAR POWER PACKS are designed for operating in tough conditions and at higher efficiencies as well . RAYFUEL' SOLAR POWER PACKS are futuristically designed and can be remotely monitored from any where, if and when required.

Manufactured By: **RAYFUEL ENERCON PRIVATE LIMITED**

ADDRESS: F-122 Road No. 4 RIICO Industrial Area, Sirsi Road, Bindayaka, Jaipur, (Raj.) 302012

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Contact No.: 9717994677, 8619531954

URJIT GRIHA

Model	Urjit Griha
Construction	CRCA Powder Coated Box
Ingress Protection	IP 21
Nominal Voltage	12 V DC
Charge Controller	12 V, 3 Amps
Charge Controller Type	PWM
SPV Module	10 Wp (Max.)
Voc of SPV Module	21 Volts
Vmax of SPV Module	18 Volts
Battery	12.8 V, 3 Ah Li-Fe-Po4
Max. Output Load	12 V DC, 2 A
Charging & Load Efficiency	>90%
Ideal Current	<10 mA
Low cut off voltage	10.6 V (±0.2 V)
Load reconnect voltage	12.6 V (±0.2 V)
Over charging cut off	14.6 V (±0.2 V)
DC Loads	DC LED Bulb 12 V, 3 W x 2 nos. with 3 mtr. connection wire
Mobile Charging Unit	5 V, 1 A USB Port type
Indications	Yellow : System ON, Red: Battery low, Green : Charging
Backup	2 hours at battery fully charged condition on full load
Std. Protections	Reverse polarity, Deep discharge & Over charge protections.

UJJWAL GRIHA

Model	Ujjwal Griha
Construction	MS Powder Coated Box
Ingress Protection	IP 21
Nominal Voltage	12 V DC
Charge Controller	12 V, 6 Amps
Charge Controller Type	MPPT
SPV Module	40 Wp (Max.)
Voc of SPV Module	21 Volts
Vmax of SPV Module	18 Volts
Battery	12.8 V, 12 Ah Li-Fe-Po4
Max. Output Load	12 V DC, 4 A
Charging & Load Efficiency	>90%
Ideal Current	<20 mA
Low cut off voltage	10.6 V (±0.2 V)
Load reconnect voltage	12.6 V (±0.2 V)
Over charging cut off	14.6 V (±0.2 V)
DC Loads	a) DC LED Bulb 12 V, 3 W x 2 nos. with 3 mtr. connection wire b) BLC Table Fan 12 V, 12 W x 1 nos. with 5 mtr. connection wire
Mobile Charging Unit	5 V, 1 A USB Port type
Indications	Red: Battery low, Green: Charging
Backup	5 hours at battery fully charged condition on full load
Std. Protections	Reverse polarity, Short circuit and Open circuit, Surge, Battery over flow, Deep discharge & Over charge protections.

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