

Installation of Grid Connected Solar Rooftops

Des.Doc - 04



AAA

COLLEGE OF ENGINEERING & TECHNOLOGY

(Accredited by NBA (CSE,EEE,ECE & MECH) and NAAC with 'A' Grade.

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Amathur, Sivakasi-626 005

SOLAR PV TRAINING SYSTEM (1KW)

Stock Ref. No	EEE-6_1/20/PVT/1
Supplier	Labtech Electronics Private Limited, Chennai
Make	Labtech Electronics Private Limited
Date of Purchase	19.01.2021
Model	HST60F265P
Open Circuit Voltage (V_{oc})	38.39 V
Short Circuit Current (I_{sc})	9.51 A
V_{pm}	30.88 V
I_{pm}	9.01 A
P_{max}	278.49 W
Fill Factor	0.762
R_s	0.49 Ohm

MICRO WIND GENERATOR

Stock Ref. No	EEE-6_2/20/WSH/1
Supplier	Labtech Electronics Private Limited, Chennai
Make	Labtech Electronics Private Limited
Date of Purchase	19.01.2021
Rotor Diameter	1.24 m
Rotor-swept Area	1.207 m ²
Number of Blades	3
Nominal Power	177 W
Output Voltage	10-35 V AC
Body Structure	Aluminium
Weight	12 kg
Axis type	HAWT
Cut-in wind speed	2.7 m/s
Nominal wind speed	11 m/s
Cut-out wind speed	20 m/s

FUEL CELL GENERATOR

Stock Ref. No	EEE-6_3/20/FCT/1
Supplier	Labtech Electronics Private Limited, Chennai
Make	Labtech Electronics Private Limited
Date of Purchase	19.01.2021
Pressure	0.45 bar
PEM	100 W
DC/DC Converter	18-12 V
DC Lamp	12 V DC

SOLAR PV EMULATOR KIT

Stock Ref. No	EEE-6_5/20/PVE/1
Supplier	Labtech Electronics Private Limited, Chennai
Make	Labtech Electronics Private Limited
Date of Purchase	19.01.2021
PC's	INTEL I3 PROCESSOR,4GB RAM

