



PRODUCT AT YOUR DOOR STEP

Anshuman Aerotech has a trusted technology agreement with state of art Electronic Ground Power Unit Supplier with the specifications as attached here. We shall be providing a single window solution for the extension of the procurement of these types of GPU from OEM at very reasonable price and supporting all contractual formalities, warranties and other post-delivery support

GROUND POWER UNIT (SMART-GPU)			SI No.	Helicopters/ Fixed Wings	No. of Engine Starts	SI No.	Helicopters/ Fixed Wings	No. of Engine Starts
 			1.	ALH Mark III	10	12.	P81	NA
			2.	ALH Mark I	12 - 14	13.	MI17	6
			3.	LCH	10	14.	AN32	10
			4.	Cheetah	8 - 9	15.	Kiran	12 - 14
			5.	Chetak	8 - 9	16.	IJT	4
			6.	Kamov-27	4 - 5	17.	HTT40	6 - 8
			7.	Kamov-31	4 - 5	18.	SU30	15 - 20
			8.	HAWK	NA	19.	LCA	15 - 20
			9.	Dornier	8			
			10.	MH60R	4 Hrs - 5 Hrs			
			11.	MIG29	NA			

SI No.	Helicopters/ Fixed Wings	No. of Engine Starts	SI No.	Helicopters/ Fixed Wings	No. of Engine Starts
12.	Bell 412	6 - 8	1.	Airbus H160	4 - 5
13.	Airbus H130	8 - 10	2.	Sikorsky S76	4 - 6
14.	Bell 427	4 - 6	3.	Bell 407	8 - 10
15.	Bell 407 GXI	4 - 6	4.	Bell 429	4 - 6
16.	Bell 505	8 - 10	5.	Airbus 145	4 - 6
17.	Bell 407 GXI	6 - 8	6.	MD900	6 - 8
18.	Agusta 139	8 - 10	7.	Dauphin	4 - 6
19.	Agusta 169	8 - 10	8.	Airbus 125	8 - 9
20.	Caravan	6 - 8	9.	Bell 206	10 - 12
21.	ALH Mark III	10 - 11	10.	Augusta 109	6 - 8
22.	Twin Otter	5 - 6	11.	Airbus H135	6 - 8

FEATURES

Plug-and-Play System

IoT enabled Smart Monitoring

Safe and Robust Technology

Built-In Safety Assurance with BMS

LCD Display:

Voltage, SoC & Various Parameters

Solar Power Battery Charging

Versatility across Helicopter & Aircraft

Weight reduction by 50%

Efficiency Enhancement by 75% (Engine Start)

Efficiency Enhancement by 75% (Charge)

PARAMETERS					
BATTERY CHEMISTRY	LITHIUM FERROUS PHOSPHATE				
AIRCRAFT ENGINE STARTING	YES				
AIRCRAFT DAILY INSPECTION	NO				
CAPACITY	25Ah	35Ah	70Ah	100Ah	50 Ah
BATTERY FULL VOLTAGE	28.8V	28.8V	26.4V	31V	30.6V
BATTERY NOMINAL VOLTAGE	26.4V	26.4V	26.4V	29.5V	29.7V
BATTERY CUT-OFF VOLTAGE	24V	24V	24V	27V	27V
DISCHARGE CURRENT	500A	750A	1500A	2000A	1000A
PEAK DISCHARGE CURRENT	1200A	1800A	3600A	4800A	2400A
CHARGE TIME	<3 Hrs From SoC 0% to SoC 100%				
SOLAR	YES				
SOLAR CHARGE TIME	2HRS 30 MIN FROM SoC 0% to SoC 100%	3HRS 30 MIN FROM SoC 0% to SoC 100%	7HRS 30 MIN FROM SoC 0% to SoC 100%	10HRS 30 MIN FROM SoC 0% to SoC 100%	6 Hrs FROM SoC 0% to SoC 100%
BATTERY MANAGEMENT	INBUILT	INBUILT	INBUILT	INBUILT	INBUILT
BATTERY WEIGHT	15KG + 1KG	22KG + 1KG	55KG + 1KG	80KG + 1KG	60KG + 1KG
BATTERY DIMENSION (mm)	416 X 146 X 310	481 X 168 X 310	500 X 370 X 485	550 X 500 X 450	570 X 337 X 312
ENCLOSURE	ALUMINIUM				
INGRESS PROTECTION	IP56	IP56	IP56	IP56	IP54
FIRE SUPPRESSOR	INBUILT	INBUILT	INBUILT	INBUILT	INBUILT
OPERATING TEMPERATURE	-30°C -55°C				
OUTPUT CONNECTOR	NATO				
DISPLAY (PARAMETERS SHOWN ON BATTERY)	STATE OF CHARGE (SoC%) LOAD CURRENT BATTERY VOLTAGE BATTERY ERRORS CAUTION BATTERY TEMPERATURE BATTERY WARNINGS BATTERY ERRORS BATTERY STATUS				
SAFETY PRECAUTIONS	UNDER & OVER VOLTAGE PROTECTION, SHORT CIRCUIT PROTECTION, TEMPERATURE CONTROL & SHUT-OFF, MANUAL & AUTOMATIC SHUT-OFF, CELL BALANCING, CHARGE PROTECTION				
STANDARDS & COMPLIANCE	Safety Compliance: Comply to UN38.3 ☐ Environmental Compliance: Comply to J555555 ☐ Industrial Standards: Comply to IS62619:2017				