System calculator: total system load in Wh during 24 hours

SYSTEM LOAD DURING 24 hours :	LOAD in Wh / day	Voltage
	0	

For calculation : Only change the valluas in red !!

SYSTEM POWER SUPPLIERS:		Watt	Hours	Wh	C.e.f	Power Supply	
Shore power	voltage x ampere	0		0	0,8	0	Wh
Solar system (PV system)	Watt x estimated hours sun power a day		2,9	0	0,8	0	Wh
Engine or Generator Alternator DC current.	voltage x ampere			0	0,8	0	Wh
Generator (100% charge power Multi/Quattro)	voltage x ampere	0		0	0,8	0	Wh

Size generator = charge power plus AC load = xx kW

Total System power suppliers in 24 hours : 0 Wh

Follow these link for Solar calculation / estimated sun power a day :

Minus the Total load in WH a day : 0 Wh

http://re.jrc.ec.europa.eu/pvg_tools/en/tools.html#PVP

final result positive / negative : 0 Wh

Capacity required battery (compaire to power suppliers) 0

Load in Wh/day devided trough the DC voltage x safety factor = Battery capacity Ah. Safety factor for : AGM- GEL -Floated = 2,5 and for Opzv - Opzs = 1,8 and for Lithium = 1,1

Type of batteries:	LOAD in Va:		VOLTAGE		safety factor:	Batt Capacity	
Total battery capacity in GEL - AGM - FLOATED :	0	Wh /	0	X	2,5	#DELING.DOOR.0!	Ah
Total battery capacity in OPZS - OPZV :	0	Wh /	0	X	1,7	#DELING.DOOR.0!	Ah
Total battery capacity in LITHIUM :	0	Wh /	0	X	1,2	#DELING.DOOR.0!	Ah

In order to choose the the right type of units , it is important to know the piek load demand and than you can choose the right type of units.

Total required system - Installation power	0	X factor	1	0	Wh

FINAL RESULT OF THE CALCULATION OF THIS SYSTEM IS :

System load in Wh / day (24 hour)	0	Wh (Calculated C20 battery capacity is based on load supply over24 Hours)
System DC voltage	0	Volt
Estemated yearly Sunpower in hours per day	2,9	hour (based on the average solar yield at this location)
Middle estimated Solar Power on location	0	Wh (based on the average solar yield at this location)

Type of batteries:	Gel - Agm	Opzs - Opzv	Lithium	Capacity
Total required battery minimum capacity.	#DELING.DOOR.0!	############	##########	Ah

Total minimum required Unit system power	0	Wh (based on the maximum peak consumption in this system)
Calculated minimum Solar panel capacity	0	Wp (based on the average solar yield at this location)
Estemated Windmill power	0	Wh
Capacity required battery (compaire to	0	Wh
Generator / Shore charging Multi or Quatrro	0	Wh
Engine or Generator Alternator DC current.	0	hour
Generator or Shore (AC suply to Multi or Qua	0	hour
Windmill power supply (DC system)	0	hour

!! Discharge/charge factor !! Calculated C rate