

# AC / DC Nav aids

## Universal Navigational Aids Systems

Tideland has created a suite of SOLACHAN (TM) products specifically to meet the exacting needs of Saudi Aramco for marking of their new and existing Offshore installations. These products fulfil the requirements for their AC supported and DC (Solar) systems but are equally suited to other similar applications. Charger, Solar Regulator and Solar Panel can be simply exchanged to be converted from AC to DC or vice versa. Three variants for each system have been created for different Zoning Requirements. Full IECEX for Zone 2 Applications, NEC Class 1, Division 2 solution in line with all historical applications used by Saudi Aramco, and a Safe Area version where certified equipment is not required and a lower cost is beneficial. Systems meet or exceed requirements for use in areas that require a 5NM white light with the use of the latest LED technology.



### CHARACTERISTICS

- Maintenance free Tideland Nova-65 lantern (5NM Standard)
- Fully separated AC field and Sync field cables for safety
- Weatherproof Stainless (IECEX) or GRP Battery Box
- Reduced power consumption (1Kw hours per year typical)
- Pedestals galvanised Steel and IECEX/Class 1 Div 2 versions also painted to Saudi Aramco standard APCS-26T (EU)
- Hard Wire and GPS Sync standard on all variants except IECEX Zone 2 (Hard Wire only)
- Options for 3NM Red and 10NM white lights in all variants



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AC Solutions					
	Lantern	Range	Battery	Charger	Autonomy
IECEX	Nova65 IECEX	5NM	12v 165Ah	12v 5 Amp	>280 days
CI1, Div 2	Nova 65 UL	5NM	12v 100Ah	12v 5 Amp	>200 days
Safe Area	Nova 65	5NM	12v 100Ah	12v 5 Amp	>200 days

DC Solutions					
	Lantern	Range	Battery	Solar Module	Autonomy
IECEX	Nova65 IECEX	5NM	12v 165Ah	12v 45w	>280 days
CI1, Div 2	Nova 65 UL	5NM	12v 100Ah	12v 50w	>200 days
Safe Area	Nova 65	5NM	12v 100Ah	12v 50w	>200 days

